

**Abstract**

An apparatus and a method is introduced by which infrared image analysing automatic focusing is made possible. The invention among others comprises a focus  
5 function to be used by a search operation in order to control a moving means (50) adjusting a focusing optical convergence arrangement (20). Usage of the invention enables a fast and efficient way of obtaining a focused image although the infrared optical system is a difficult system and a not particularly rewarding technique in the past.